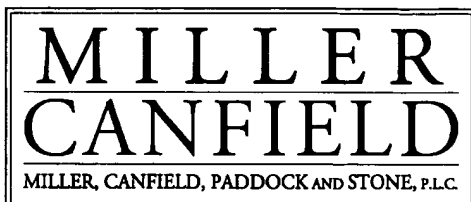


Founded in 1852
by Sidney Davy Miller



ROBERT KELLEY ROTH
TEL: (313) 496-7568
FAX: (313) 496-8452
E-MAIL: roth@millercanfield.com

150 West Jefferson, Suite 2500
Detroit, Michigan 48226
TEL: (313) 963-6420
FAX: (313) 496-7500
www.millercanfield.com

October 22, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Inventor: Geary G. Parke
Express Mail No.: EV 130010429US
Our Reference No.: 107725/00006
Title: ADSORPTION SYSTEM

Dear Sir:

Enclosed for filing please find:

- 1) Specification (16 sheets);
- 2) Drawings (1 drawing)
- 3) Assignment;
- 4) Recordation Form Cover Sheet;
- 5) Declaration and Power of Attorney;
- 6) Fee Transmittal Form and check in the amount of \$425.00;
- 7) Information Disclosure Statement with cited references; and
- 8) Certificate of Filing by Mailing.

We are also enclosing a post card receipt which we ask that you return to us acknowledging the date of receipt and the assigned serial number.

Very truly yours,

MILLER, CANFIELD, PADDOCK AND STONE, P.L.C.

By: _____

Robert K. Roth
Reg. No. 36,660

MICHIGAN: Ann Arbor
Detroit • Grand Rapids
Howell • Kalamazoo
Lansing • Monroe • Troy

New York, NY
Pensacola, FL
Washington, DC

CANADA: Windsor, ON
POLAND: Gdynia
Katowice • Warsaw



October 22, 2003

CERTIFICATE OF FILING BY MAILING

This is to certify that the following documents were mailed by U.S. Postal Service Express Mail, Reference No. EV 130010429 US to Commissioner of Patents, P.O. Box 1450, Alexandria VA 22313 on October 22, 2003.

- 1) Specification (16 sheets);
- 2) Drawings (1 drawing);
- 3) Assignment;
- 4) Recordation Form Cover Sheet;
- 5) Declaration and Power of Attorney;
- 6) Fee Transmittal Form and check in the amount of \$425.00;
- 7) Information Disclosure Statement with cite references; and
- 8) This Certificate of Filing by Mailing.

MILLER, CANFIELD, PADDOCK AND STONE, P.L.C.

By: Lawrence Brown
Lawrence Brown



16638 U.S. PTO

102203

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 425.00

Complete if Known

Application Number	
Filing Date	October 22, 2003
First Named Inventor	Geary G. Parke
Examiner Name	
Art Unit	
Attorney Docket No.	107725/6

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 385.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid	
Independent Claims		-20** =		X			
Multiple Dependent		-3** =		X			

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00

SUBMITTED BY

(Complete (if applicable))

Name (Print/Type)	Robert Kelley Roth	Registration No. (Attorney/Agent)	36,660	Telephone	313 963 6420
Signature		Date	October 22, 2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.